

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1314558

Luminaire Tested: P3SQAS17R409735DE010 E3SQCA301MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R409735DE010 E3SQCA301MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , E3SQCA301MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

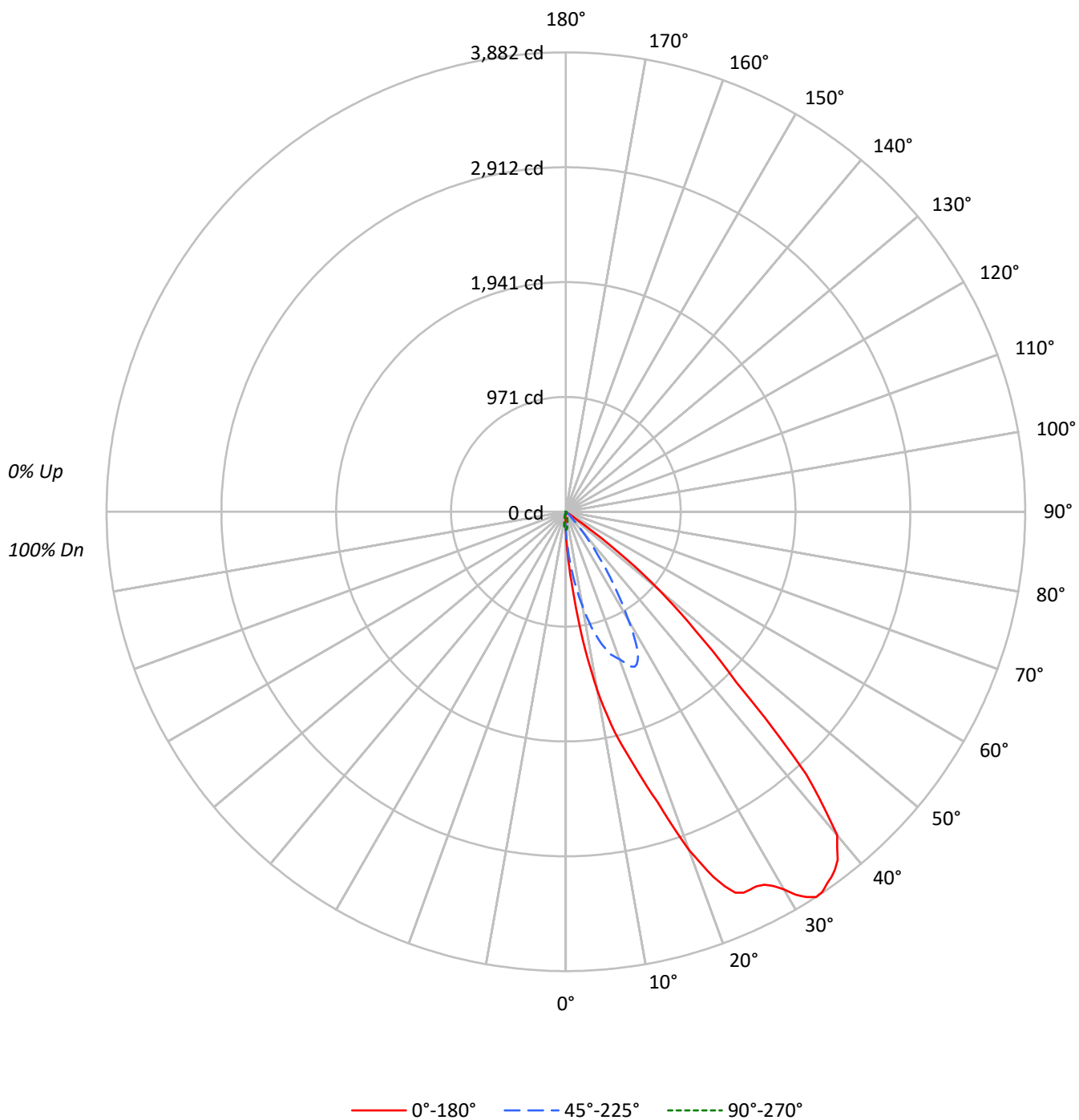
Lumens per Lamp: N/A
Luminaire Lumens: 1303.0 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26247	26247	26247	26247	26247
5°	111404	75929	23028	4149	2075
10°	267775	141233	14270	420	0
15°	394110	205185	5991	0	0
20°	557084	243243	2199	0	0
25°	674747	269990	0	0	0
30°	732621	211195	0	0	0
35°	807845	123624	0	0	0
40°	801801	50180	0	0	0
45°	496569	14614	0	0	0
50°	276505	322	0	0	0
55°	27023	0	0	0	0
60°	0	0	413	0	0
65°	0	0	489	0	0
70°	0	604	1209	0	0
75°	0	799	1597	0	0
80°	0	1190	2380	0	0
85°	0	2371	4742	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 498907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	2.2
10°-20°	168.0	12.9
20°-30°	383.4	29.4
30°-40°	452.7	34.7
40°-50°	241.9	18.6
50°-60°	26.3	2.0
60°-70°	0.5	0.0
70°-80°	0.9	0.1
80°-90°	0.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	579.9	44.5
0°-40°	1032.6	79.2
0°-60°	1300.7	99.8
0°-90°	1303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1303.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	152	152	152	152	152	
5°	644	439	133	24	12	91
15°	2210	1151	34	0	0	657
25°	3551	1421	0	0	0	1612
35°	3842	588	0	0	0	2373
45°	2039	60	0	0	0	1681
55°	90	0	0	0	0	252
65°	0	0	1	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4	152.4
2.5°	355.2	348.0	352.8	343.2	343.2	321.6	322.8	304.8	278.4	212.4	151.2
5°	644.4	673.2	650.4	620.4	603.6	582.0	553.2	523.2	439.2	265.2	133.2
7.5°	1078.8	1076.4	1038.0	1005.6	968.4	910.8	856.8	783.6	625.2	303.6	110.4
10°	1531.2	1522.8	1479.6	1452.0	1381.2	1298.4	1188.0	1070.4	807.6	316.8	81.6
12.5°	1908.0	1897.2	1861.2	1814.4	1736.4	1632.0	1513.2	1358.4	999.6	302.4	52.8
15°	2210.4	2208.0	2173.2	2109.6	2028.0	1926.0	1791.6	1605.6	1150.8	265.2	33.6
17.5°	2569.2	2583.6	2521.2	2452.8	2335.2	2192.4	2028.0	1815.6	1262.4	219.6	21.6
20°	3039.6	3019.2	2961.6	2862.0	2749.2	2577.6	2344.8	2041.2	1327.2	170.4	12.0
21°	3183.6	3175.2	3115.2	3022.8	2898.0	2724.0	2484.0	2156.4	1357.2	152.4	9.6
22°	3330.0	3315.6	3268.8	3178.8	3061.2	2864.4	2600.4	2275.2	1395.6	133.2	6.0
23°	3439.2	3433.2	3397.2	3308.4	3187.2	2996.4	2726.4	2385.6	1422.0	115.2	3.6
24°	3523.2	3516.0	3480.0	3412.8	3308.4	3109.2	2853.6	2504.4	1432.8	99.6	1.2
25°	3550.8	3554.4	3532.8	3480.0	3392.4	3193.2	2948.4	2598.0	1420.8	85.2	0.0
26°	3552.0	3562.8	3547.2	3517.2	3445.2	3260.4	3037.2	2653.2	1389.6	72.0	0.0
27°	3552.0	3562.8	3547.2	3524.4	3453.6	3298.8	3085.2	2659.2	1341.6	61.2	0.0
28°	3568.8	3574.8	3554.4	3526.8	3450.0	3310.8	3098.4	2623.2	1264.8	52.8	0.0
29°	3615.6	3609.6	3576.0	3538.8	3446.4	3310.8	3058.8	2554.8	1168.8	44.4	0.0
30°	3684.0	3684.0	3631.2	3572.4	3463.2	3309.6	2995.2	2431.2	1062.0	36.0	0.0
31°	3776.4	3768.0	3715.2	3627.6	3499.2	3309.6	2901.6	2294.4	963.6	31.2	0.0
32°	3838.8	3834.0	3783.6	3680.4	3558.0	3309.6	2800.8	2143.2	856.8	25.2	0.0
33°	3882.0	3872.4	3814.8	3708.0	3594.0	3292.8	2688.0	1981.2	760.8	20.4	0.0
34°	3876.0	3873.6	3813.6	3703.2	3586.8	3223.2	2557.2	1801.2	672.0	16.8	0.0
35°	3842.4	3842.4	3769.2	3655.2	3535.2	3121.2	2427.6	1647.6	588.0	12.0	0.0
36°	3817.2	3807.6	3724.8	3597.6	3448.8	2960.4	2235.6	1492.8	498.0	9.6	0.0
37°	3780.0	3762.0	3669.6	3532.8	3326.4	2786.4	2034.0	1354.8	421.2	6.0	0.0
38°	3732.0	3704.4	3591.6	3457.2	3192.0	2586.0	1828.8	1200.0	350.4	3.6	0.0
39°	3644.4	3621.6	3505.2	3360.0	3031.2	2374.8	1629.6	1054.8	283.2	1.2	0.0
40°	3566.4	3526.8	3394.8	3228.0	2842.8	2136.0	1431.6	912.0	223.2	0.0	0.0
42.5°	3007.2	2965.2	2935.2	2769.6	2264.4	1533.6	999.6	584.4	116.4	0.0	0.0
45°	2038.8	2048.4	1954.8	1843.2	1494.0	999.6	625.2	325.2	60.0	0.0	0.0
47.5°	1486.8	1461.6	1334.4	1123.2	876.0	584.4	326.4	157.2	24.0	0.0	0.0
50°	1032.0	984.0	868.8	710.4	476.4	278.4	144.0	73.2	1.2	0.0	0.0
52.5°	560.4	526.8	446.4	324.0	198.0	106.8	57.6	30.0	0.0	0.0	0.0
55°	90.0	62.4	64.8	55.2	43.2	31.2	18.0	3.6	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2	1.2
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	152.4	152.4	152.4	152.4
2.5°	102.0	69.6	52.8	45.6
5°	58.8	24.0	13.2	12.0
7.5°	28.8	8.4	4.8	4.8
10°	12.0	2.4	0.0	0.0
12.5°	3.6	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.2	0.0	0.0	0.0
67.5°	1.2	0.0	0.0	0.0
70°	1.2	0.0	0.0	0.0
72.5°	1.2	0.0	0.0	0.0
75°	1.2	0.0	0.0	0.0
77.5°	1.2	0.0	0.0	0.0
80°	1.2	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.2	0.0	0.0	0.0
85°	1.2	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)